

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((relative adj movement) and tracking and helix and convolution). clm.	US-PGPUB	OR	ON	2006/08/23 13:02
S1	27185	(track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:46
S2	6	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (helical adj strap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:47
S3	864	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (convolution)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:29
S4	11	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (convolution)) and ((track\$3 or follow\$3) WITH ("between convolutions"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:48
S5	20925	(track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)	USOCR	OR	ON	2003/03/13 14:02
S6	2	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (helical adj strap)	USOCR	OR	ON	2003/03/13 14:06
S7	1441	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (convolution)	USOCR	OR	ON	2006/08/23 10:47
S8	13	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (convolution)) and ((track\$3 or follow\$3) WITH ("between convolutions"))	USOCR	OR	ON	2005/08/31 08:37
S9	1	"1907819".URPN.	USPAT	OR	ON	2003/03/13 14:13
S10	347	74/89.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:46
S11	63	74/89.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/13 14:51
S12	144	74/89.ccls.	USOCR	OR	ON	2003/03/13 14:34
S13	54	74/89.ccls. and (helix or helical or spiral)	USOCR	OR	ON	2003/03/13 14:39

## EAST Search History

S14	1	"3369414".URPN.	USPAT	OR	ON	2003/03/13 14:44
S15	1524	74/567.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:30
S16	90	74/567.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:46
S17	828	74/567.ccls.	USOCR	OR	ON	2003/03/13 15:20
S18	97	74/567.ccls. and (helix or helical or spiral)	USOCR	OR	ON	2005/08/31 07:55
S19	1098	74/569.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:30
S20	56	74/569.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:47
S21	650	74/569.ccls.	USOCR	OR	ON	2003/03/13 15:33
S22	85	74/569.ccls. and (helix or helical or spiral)	USOCR	OR	ON	2003/03/13 15:34
S23	98	74/568FS.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:31
S24	363	74/89.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/13 15:47
S25	56	74/89.2.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:47
S26	146	74/424.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S27	173	269/233.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S28	27185	(track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/14 10:25

## EAST Search History

S29	1	269/233.ccls. and ((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/14 10:24
S30	121	269/233.ccls.	USOCR	OR	ON	2003/03/14 10:26
S31	20925	(track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)	USOCR	OR	ON	2003/03/14 10:25
S32	3	269/233.ccls. and ((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) )	USOCR	OR	ON	2003/03/14 10:26
S33	84	269/196.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:32
S34	0	269/196.ccls. and ((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/14 10:26
S35	65	269/196.ccls.	USOCR	OR	ON	2003/03/14 10:26
S36	0	269/196.ccls. and ((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) )	USOCR	OR	ON	2003/03/14 10:27
S37	225	474/8.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:45
S38	7	474/8.ccls. and ((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/14 10:27
S39	41	474/8.ccls.	USOCR	OR	ON	2003/03/14 10:29
S40	0	474/8.ccls. and ((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) )	USOCR	OR	ON	2003/03/14 10:29
S41	238	Raber.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 14:43
S42	1	Raber.in. and helix	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 14:17
S43	90	74/567.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:46

## EAST Search History

S44	56	74/569.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:47
S45	56	74/89.2.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:47
S46	146	74/424.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:32
S47	174	269/233.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:32
S48	229	474/8.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:33
S49	134	192/84.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:33
S50	20	192/84.6.ccls. and heli\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 15:55
S51	38	192/84.6.ccls.	USOCR	OR	ON	2003/07/01 15:53
S52	3	192/84.6.ccls. and heli\$4	USOCR	OR	ON	2003/07/01 15:54
S53	240	192/90.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:34
S54	25	192/90.ccls. and heli\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 16:02
S55	111	192/90.ccls.	USOCR	OR	ON	2003/07/01 15:56
S56	13	192/90.ccls. and heli\$4	USOCR	OR	ON	2003/07/01 15:56
S57	441	192/94.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:54
S58	38	192/94.ccls. and rollers	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 16:04

## EAST Search History

S59	15	(192/94.ccls. and rollers) and heli\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/01 16:02
S60	324	192/94.ccls.	USOCR	OR	ON	2006/05/08 10:34
S61	41	192/94.ccls. and rollers	USOCR	OR	ON	2003/07/01 16:06
S62	28	192/94.ccls. and heli\$4	USOCR	OR	ON	2003/07/01 16:06
S63	2	"6691850".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 07:26
S64	9	("1635068"   "4648498"   "4865173"   "5353902"   "5441462"   "5931273").PN. OR ("6691850"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 07:27
S65	356	raber.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:42
S66	2	S65 and (helix or helical or spiral)	USOCR	OR	ON	2006/08/23 10:52
S67	13	S65 and (helix or helical or spiral)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 07:56
S68	1	(US-20020065171-\$).did.	US-PGPUB	OR	ON	2005/08/31 09:27
S69	1	S68 and chuck	US-PGPUB	OR	ON	2005/08/31 08:03
S70	1	S68 and collet	US-PGPUB	OR	ON	2005/08/31 08:03
S71	0	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (helical adj strap) and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:36
S72	0	((((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (convolution)) and ((track\$3 or follow\$3) WITH ("between convolutions")) and @pd>"20030701"	USOCR	OR	ON	2005/08/31 08:37
S73	10	74/89.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:38

## EAST Search History

S74	42	74/567.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:41
S75	36	74/569.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:43
S76	1	74/568FS.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:43
S77	3	74/424.5.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S78	4	269/233.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:44
S79	2	269/196.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:45
S80	52	474/8.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:45
S81	59	192/84.6.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:47
S82	9	("1635068"   "4648498"   "4865173"   "5353902"   "5441462"   "5931273").PN. OR ("6691850"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 08:49
S83	4	("3369414"   "4405041"   "6691850").PN. OR ("6886675"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 08:52
S84	10	192/90.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:54
S85	27	192/94.ccls. and @pd>"20030701"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/31 08:55
S86	1	S68 and (first adj2 direction)	US-PGPUB	OR	ON	2005/08/31 09:51

## EAST Search History

S87	1	S68 and sensor	US-PGPUB	OR	ON	2005/08/31 09:57
S88	0	S68 and (control adj means)	US-PGPUB	OR	ON	2005/08/31 09:57
S89	1	S68 and (control )	US-PGPUB	OR	ON	2005/08/31 09:57
S90	2	"6886675".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/18 14:24
S91	1	(US-20020065171-\$).did.	US-PGPUB	OR	ON	2006/02/21 14:17
S92	1	S91 and chuck	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/21 14:17
S93	1	(US-20020065171-\$).did.	US-PGPUB	OR	ON	2006/05/08 09:37
S94	1	S93 and braked	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:07
S95	1	S93 and collet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 09:43
S96	61641	(collet or chuck) and (thread\$2 or screw)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 09:43
S97	26709	S96 and clamp\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 09:45
S98	526	S97 and (tapered adj bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 09:45
S99	0	S98 and (axial adj fingers)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 09:46
S100	16	S98 and (axial adj slots)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 09:46

## EAST Search History

S10 1	1	S93 and turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:07
S10 2	1969	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:28
S10 3	0	S102 and (helical adj strap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:29
S10 4	49	S102 and (convolution)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:29
S10 5	0	S104 and ((track\$3 or follow\$3) WITH ("between convolutions"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:29
S10 6	6	74/89.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:30
S10 7	15	74/567.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:48
S10 8	19	74/569.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:49
S10 9	0	74/568FS.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:49
S11 0	1	269/233.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:49
S11 1	1	74/424.5.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:32
S11 2	0	269/196.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/08 10:32



## EAST Search History

S11 3	30	474/8.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:50
S11 4	23	192/84.6.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:51
S11 5	0	192/90.ccls. and @pd>"20050831"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:51
S11 6	0	192/94.ccls. and @pd>"20050831"	USOCR	OR	ON	2006/08/23 10:51
S11 7	5	raher.IN. and @pd>"20060508"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:44
S11 8	197	luk.AS. and @pd>"20060508"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:45
S11 9	0	S118 and helix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:46
S12 0	1	74/89.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:46
S12 1	943	(track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative) and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:46
S12 2	0	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (helical adj strap) and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:47
S12 3	0	((track\$3 or follow\$3) and heli\$3 and ((turn\$3 or rotat\$4) WITH relative)) and (convolution)) and ((track\$3 or follow\$3) WITH ("between convolutions")) and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:48

## EAST Search History

S12 4	8	74/567.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:48
S12 5	10	74/569.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:49
S12 6	0	74/568FS.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:49
S12 7	1	269/233.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:50
S12 8	13	474/8.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:50
S12 9	4	192/84.6.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:51
S13 0	0	192/90.ccls. and @pd>"20060508"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:51
S13 1	0	192/94.ccls. and @pd>"20060508"	USOCR	OR	ON	2006/08/23 10:51
S13 2	56	192/98.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/23 10:58
S13 3	203	192/93R-93C.ccls. and (helix or helical or spiral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/23 12:55
S13 4	1	((relative adj movement) and tracking and helix and convolution). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/23 13:02